

**Federal Operating Permit  
Article 1**

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1, of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Department of the Navy
Facility Name:	Joint Expeditionary Base Little Creek
Facility Location:	1450 Gator Boulevard Virginia Beach, Virginia
Registration Number:	60033
Permit Number:	TRO-60033

This permit includes the following programs:

**Federally Enforceable Requirements - Clean Air Act (Sections I through XVI)**  
**State Only Enforceable Requirements (Section XVII) (Optional)**

**July 13, 2009**  
Effective Date

**September 20, 2011**  
Modification Date

**July 12, 2014**  
Expiration Date

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Maria R. Nold, Regional Director

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Signature Date

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## **I. Facility Information**

### **Permittee**

Commander, Navy Region, Mid-Atlantic  
Regional Environmental Group Code N457  
1510 Gilbert Street  
Norfolk, Virginia 23511-2737

### **Responsible Official**

Sean S. Heaney  
Director, Technical Support Department (Code N45)  
Commander, Navy Region, Mid-Atlantic

### **Facility**

Joint Expeditionary Base Little Creek  
1450 Gator Boulevard  
Virginia Beach, Virginia 23521

### **Contact Person**

Linda Lightfoot  
Air Program Manager  
(757) 341-0398

**County-Plant Identification Number:** 51-810-00013

### **Facility Description:**

NAICS Code: 928110 - National Security  
336611 - Shipbuilding and repairing

The facility is a multi-disciplined United States Navy base that provides on-base facilities and services for the administrative and logistical support of operating forces, resident commands, organizations, home-ported ships, and other Navy and allied units. No products are manufactured at the facility. Various activities and operations are conducted to support the overhaul and repair activities for Navy vehicles, marine vessels, equipment, and buildings. In addition, the base is used as a training facility for the Atlantic fleet.

## II. EMISSION UNITS

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
<b>Abrasive Blasting Operations</b>							
Grit media blasting operation (ABRA-GRP1)							
ABRA-CB125-012	STABRA-CB125-001 & STABRA-CB125-002	Causeway Blasting Booth in bldg CB-125. Installed in 1992.	22,500 lb/hr	Dustrex baghouses. Installed in 1992.	CDABRA-CB125-001 & CDABRA-CB125-002	PM/PM-10	8/8/11 SOP
ABRA-CB125-023	STABRA-CB125-003 & STABRA-CB125-004	Causeway Blasting Booth in bldg CB-125. Installed in 1992.	22,500 lb/hr	Dustrex baghouses. Installed in 1992.	CDABRA-CB125-003 & CDABRA-CB125-004	PM/PM-10	8/8/11 SOP
Aluminum oxide/sponge media blasting operation							
ABRA-3816A-024	STABRA-3816A-024	Indoor abrasive blasting operation for the Landing Craft Air Cushion (LCAC) Service Life Extension Program (SLEP) in bldg 3816A. Installed in 2008.	180 lb/hr	Fabric filter. Installed in 2008.	CDABRA-3816A-024	PM/PM-10	8/8/11 SOP
<b>Boilers</b>							
Group I boilers (BOIL-GRP1)							
BOIL-777-001	STBOIL-777-001	Nebraska oil/natural gas-fired boiler, model NS-ES-58 in bldg 777. Installed in 2005.	76.2 MMBtu/hr	Low NOx burner and flue gas re-circulation system	CDBOIL-777-001	NOx	8/8/11 SOP

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
BOIL-777-002	STBOIL-777-002	Nebraska oil/natural gas-fired boiler, model NS-ES-58 in bldg 777. Installed in 2005.	80.0 MMBtu/hr	Low NOx burner and flue gas re-circulation system	CDBOIL-777-002	NOx	8/8/11 SOP
BOIL-777-003	STBOIL-777-003	Nebraska oil/natural gas-fired boiler, model NS-ES-58 in bldg 777. Installed in 2005.	75.6 MMBtu/hr	Low NOx burner and flue gas re-circulation system	CDBOIL-777-003	NOx	8/8/11 SOP
BOIL-777-004	STBOIL-777-004	Nebraska oil/natural gas-fired boiler, model NS-ES-58 in bldg 777. Installed in 2005.	75.6 MMBtu/hr	Low NOx burner and flue gas re-circulation system	CDBOIL-777-004	NOx	8/8/11 SOP
Group II boiler (BOIL-GRP2)							
BOIL-3870-004	STBOIL-3870-004	Distillate oil-fired boiler in bldg 3870. Installed after 3/17/72.	10.6 MMBtu/hr	N/A	N/A	N/A	8/8/11 SOP
<b>Engines/Generators</b>							
Group I Generators (ICGF-GRP1)							
ICGF-3150-049	STICGF-3150-049	One diesel emergency generator in bldg 3150. Manufactured in 2008.	60 kW	N/A	N/A	N/A	N/A
ICGF-115-058	STICGF-115-058	One diesel emergency generator in bldg 115. Manufactured 11/1/2006.	20 kW	N/A	N/A	N/A	N/A

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ICGF-3015-003	STICGF-3015-003	One diesel emergency generator in bldg 3015. Installed before August 1997.	60 kW	N/A	N/A	N/A	N/A
ICGF-3165-004	STICGF-3165-004	One diesel emergency generator in bldg 3165. Installed before August 1997.	75 kW	N/A	N/A	N/A	N/A
ICGF-3505-007	STICGF-3505-007	One diesel emergency generator in bldg 3505. Manufactured 1995. Installed before August 1997.	100 kW	N/A	N/A	N/A	N/A
ICGF-3505-008	STICGF-3505-008	One diesel emergency generator in bldg 3505. Installed before August 1997.	60 kW	N/A	N/A	N/A	N/A
ICGF-3550-031	STICGF-3550-031	One diesel emergency generator in bldg 3550. Installed before August 1997.	35 kW	N/A	N/A	N/A	N/A
ICGF-3823-032	STICGF-3823-032	One diesel emergency generator in bldg 3823. Installed before August 1997.	365 kW	N/A	N/A	N/A	N/A
ICGF-3848-033	STICGF-3848-033	One diesel emergency generator in bldg 3848. Installed before August 1997.	60 kW	N/A	N/A	N/A	N/A

<b>Emission Unit ID</b>	<b>Stack ID</b>	<b>Emission Unit Description</b>	<b>Size/Rated Capacity*</b>	<b>Pollution Control Device (PCD) Description</b>	<b>PCD ID</b>	<b>Pollutant Controlled</b>	<b>Applicable Permit Date</b>
ICGF-3856-034	STICGF-3856-034	One diesel emergency generator in bldg 3856. Installed before August 1997.	100 kW	N/A	N/A	N/A	N/A
ICGF-3892-035	STICGF-3892-035	One diesel emergency generator in bldg 3892. Manufactured July 2005.	125 kW	N/A	N/A	N/A	N/A
ICGF-752-036	STICGF-752-036	One diesel emergency generator in bldg 752. Installed before August 1997.	250 kW	N/A	N/A	N/A	N/A
ICGF-1609-041	STICGF-1609-041	One diesel emergency generator in bldg 1609. Manufactured 1996. Installed before August 1997.	100 kW	N/A	N/A	N/A	N/A
ICGF-1126-042	STICGF-1126-042	One diesel emergency generator in bldg 1126. Installed before August 1997.	200 kW	N/A	N/A	N/A	N/A
ICGF-1166-043	STICGF-1166-043	One diesel emergency generator in bldg 1166. Manufactured 2004. Installed 10/24/2005.	100 kW	N/A	N/A	N/A	N/A
ICGF-3006-048	STICGF-3006-048	One diesel emergency generator in bldg 3006. Manufactured December 2003.	30 kW	N/A	N/A	N/A	N/A

<b>Emission Unit ID</b>	<b>Stack ID</b>	<b>Emission Unit Description</b>	<b>Size/Rated Capacity*</b>	<b>Pollution Control Device (PCD) Description</b>	<b>PCD ID</b>	<b>Pollutant Controlled</b>	<b>Applicable Permit Date</b>
ICGF-3890-051	STICGF-3890-051	One diesel emergency generator in bldg 3890. Manufactured 2005. Installed 8/19/2005.	125 kW	N/A	N/A	N/A	N/A
ICGF-PIER35-054	STICGF- PIER35-054	One diesel emergency generator at Pier 35. Manufactured December 2003.	40 kW	N/A	N/A	N/A	N/A
ICGF-MAGAZINE-056	STICGF-MAGAZINE-056	One diesel emergency generator in bldg Magazine 056. Manufactured 2003.	30 kW	N/A	N/A	N/A	N/A
ICGF-1555-061	STICGF-1555-061	One diesel emergency generator in bldg 1555. Manufactured 2003.	35 kW	N/A	N/A	N/A	N/A
ICGF-1625-001	STICGF-1625-001	One diesel emergency generator in bldg 1625. Manufactured 2010.	40 kW	N/A	N/A	N/A	N/A
ICGF-2083-063	STICGF-2083-063	One diesel emergency generator in bldg 2083. Manufactured 2003.	25 kW	N/A	N/A	N/A	N/A
ICGF-3293-066	STICGF-3293-066	One diesel emergency generator in bldg 3293. Installed after August 2005.	35 kW	N/A	N/A	N/A	N/A

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
ICGF-3445-067	STICGF-3445-067	One diesel emergency generator in bldg 3445. Manufactured 1992.	250 kW	N/A	N/A	N/A	N/A
ICGF-3708B-069	STICGF-3708B-069	One diesel emergency generator in bldg 3708B. Manufactured 2004. Installed 11/28/05.	100 kW	N/A	N/A	N/A	N/A
ICGF-4174-070	STICGF-4174-070	One diesel emergency generator in bldg 4174. Installed after August 2005.	35 kW	N/A	N/A	N/A	N/A
<b>Group II Engines/Generators (ICGF-GRP2)</b>							
OCOM-3872-010, 011, 019, and 020	STOCOM-3872-010, 011, 019, and 020	Four diesel engines in bldg 3872. Installed after 1972.	010: 190 HP 011: 190 HP 019: 75 HP 020: 135 HP	N/A	N/A	N/A	8/8/11 SOP
ICGF-777-037	STICGF-777-037	One diesel emergency generator in bldg 777. Installed after 1972.	725 kW	N/A	N/A	N/A	8/8/11 SOP
ICGF-1265-049, ICGF-1265-053 & ICGF-1265-059	STICGF-1265-049, STICGF-1265-053 & STICGF-1265-059	Three diesel emergency generators in bldg 1265. Installed after 1972.	049: 600 kW 053: 500 kW 059: 500 kW	N/A	N/A	N/A	8/8/11 SOP
OCOM-1501-012	STICGF-1501-012	One diesel emergency generator in bldg 1501. Installed before August 1997.	75 kW	N/A	N/A	N/A	N/A

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
OCOM-1518-017	STICGF-1518-017	One diesel emergency generator in bldg 1518. Manufactured 2001.	150 kW	N/A	N/A	N/A	N/A
OCOM-2115-021	STICGF-2115-021	One diesel emergency generator in bldg 2115. Installed before August 1997.	30 kW	N/A	N/A	N/A	N/A
OCOM-3400-022	STICGF-3400-022	One diesel emergency generator in bldg 3400. Installed before August 1997.	30 kW	N/A	N/A	N/A	N/A
OCOM-3879-023	STICGF-3879-023	One diesel emergency generator in bldg 3879. Installed before August 1997.	100 kW	N/A	N/A	N/A	N/A
OCOM-5000-024	STICGF-5000-024	One diesel emergency generator in bldg 5000. Manufactured 1995. Installed before August 1997.	55 kW	N/A	N/A	N/A	N/A
Group III Generators (ICGF-GRP3)							
ICGF-773-039 and ICGF-774-040	STICGF-773-039 and STICGF-774-040	Two diesel peak shaving/emergency generators in bldg 773 & 774. Installed in 1994.	Each 1600 kW	N/A	N/A	N/A	8/8/11 SOP

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Group IV Generators (ICGF-GRP4)							
ICGF-3854-001	STICGF-3854-001	One natural gas emergency generator in bldg 3854. Installed after August 2005.	800 kW	N/A	N/A	N/A	N/A
ICGF-3854-002	STICGF-3854-002	One natural gas emergency generator in bldg 3854. Installed after August 2005.	240 kW	N/A	N/A	N/A	N/A
ICGF-3075-060	STICGF-3075-060	One natural gas emergency generator in bldg 3075. Manufactured 2005. Installed after August 2005.	100 kW	N/A	N/A	N/A	N/A
ICGF-3539-064	STICGF-3539-064	One natural gas emergency generator in bldg 3539. Manufactured 1/4/2006.	450 kW	N/A	N/A	N/A	N/A
ICGF-3808-065	STICGF-3808-065	One natural gas emergency generator in bldg 3808. Manufactured 2004. Installed 6/24/06.	80 kW	N/A	N/A	N/A	N/A
ICGF-3841-068	STICGF-3841-068	One natural gas emergency generator in bldg 3841. Manufactured 11/30/06.	75 kW	N/A	N/A	N/A	N/A

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
<b>Group V Generators (ICGF-GRP5)</b>							
ICGF-3816A-003	STICGF-3816A-003	One diesel non-emergency generator in bldg 3816A. Installed in 2010.	105 kW	N/A	N/A	N/A	8/8/11 SOP
ICGF-3816A-004	STICGF-3816A-004	One diesel non-emergency generator in bldg 3816A. Installed in 2010.	750 kW	N/A	N/A	N/A	8/8/11 SOP
<b>Firing Ranges</b>							
FIRI-3817-001	STFIRI-3817-001	Indoor firing range in bldg 3817. Installed in 1992.	750 rounds/hr	Particulate filter. Installed in 1992.	CDFIRI-3817-001	PM/PM-10, Lead	8/8/11 SOP
FIRI-3638-002	STFIRI-3638-002	Indoor firing range in bldg 3638. Installed in 2005.	4400 rounds/hr	Particulate filter. Installed in 2005.	CDFIRI-3638-002	PM/PM-10, Lead	8/8/11 SOP
<b>Gasoline Operations</b>							
PETO-3838-001A	ASPETO-3838-001A	Gasoline loading rack and associated storage tank in the fuel farm. Installed pre-1972.	Operates at less than 4,000 gal/day	N/A	N/A	N/A	N/A
<b>GSTA-GRP2</b>							
GSTA-1612-003	ASGSTA-1612-003	Gasoline dispensing facility and associated storage tanks: GSTA-1612-003 at bldg 1612 (WCITGO) w/ tanks TNKU-1612-019, 020 & 021. Installed after 1972.	GSTA-1612-003 with four pumps.  TNKU-1612-019, 020 & 021 - 10,000 gallons each	All tanks with Stage 1 Vapor Recovery	Stage 1	VOC/HAPS	N/A

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
GSTA-3084-005	ASGSTA-3084-005	Gasoline dispensing facility and associated storage tanks: GSTA-3084-005 at bldg 3084 (ECITGO) w/ tanks TNKU-3084-001, 002 & 003. Installed after 1972.	GSTA-3084-005 with 12 pumps.  TNKU-3084-001, 002 & 003 - 12,000 gallons each	All tanks with Stage 1 Vapor Recovery	Stage 1	VOC/HAPS	N/A
GSTA-3836A-006	ASGSTA-3836A-006	Gasoline dispensing facility and associated storage tanks: GSTA-3836A-006 at bldg 3836 (NEX by fuel farm). Installed after 1972.	GSTA-3836A-006 with one pump.	All tanks with Stage 1 Vapor Recovery	Stage 1	VOC/HAPS	N/A
<b>Painting Operations - Non-Shipbuilding/Ship Repair</b>							
PNTS-GRP1							
PNTS-3661-006 & PNTS-CB125-016	STPNTS-3661-006 & STPNTS-CB125-016 a, b, c, d, e, f, g, & h	Paint spray booths: PNTS-3661-006 at bldg 3661, a Bentex booth. Installed after 1972. PNTS-CB125-016 at bldg CB-125 for causeways (ABRA-CB125-012 & 023). Installed in 1992.	PNTS-3661-006 with one spray gun.  PNTS-CB125-016 with two spray guns.	Dry filters for each spray booth stack.	CDPNTS-3661-006 & CDPNTS-CB125-016 a, b, c, d, e, f, g, & h	PM/PM-10	8/8/11 SOP
PNTS-GRP2							
PNTO-3816-007, PNTO-3511-008, PNTO-3514-009,	ASPNTO-3816-007, ASPNTO-3511-008, ASPNTO-3514-009,	Aerosol can spray paint activities	N/A	N/A	N/A	N/A	N/A

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
PNT0-3874-010, PNT0-CB123-012, PNT0-3855-014, PNT0-3812-015, PNT0-3853-016, PNT0-1126-017, PNT0-CB315- 018, PNT0-3869-019, PNT0-3896-020, PNTS-CB301-010, PNTS-1619-015, PNTS-3814-040, & PNTS-PORT OPS-041	ASPNT0-3874-010, ASPNT0-CB123-012, ASPNT0-3855-014, ASPNT0-3812-015, ASPNT0-3853-016, ASPNT0-1126-017, ASPNT0-CB315-018, ASPNT0-3869-019, ASPNT0-3896-020, ASPNTS-CB301-010, ASPNTS-1619-015, ASPNTS-3814-040, &ASPNTS-PORT OPS-041	Aerosol can spray paint activities (continued)	N/A	N/A	N/A	N/A	N/A
<b>PNTS-GRP3</b>							
PNT0-1131-003, PNT0-1522-004, PNT0-3165-005, PNT0-3226-006, PNT0-1619-050, PNT0-PORT OPS-051, & PNT0-3814-052	ASPNT0-1131-003, ASPNT0-1522-004, ASPNT0-3165-005, ASPNT0-3226-006, ASPNT0-1619-050, ASPNT0- PORT OPS-051, & ASPNT0-3814-052	Brush/roller painting activities	N/A	N/A	N/A	N/A	N/A
<b>Painting Operations - Shipbuilding/Ship Repair</b>							
<b>PNTS-PIER SIDE</b>							
PNT0-CONTRACTOR-020 & PNT0-SHIP FORCE-021	ASPNT0-CONTRACTOR-020 & ASPNT0-SHIP FORCE-021	Pier side ship painting activities	N/A	N/A	N/A	N/A	N/A

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
PNTS-SHIP							
PNT0-3816-002, PNT0-1263-011, PNT0-3874-011, PNT0-3814-013, PNT0-CB125-016, PNT0-3869-019, PNT0-1619-030, PNT0-BMU2-031, PNT0-PORT OPS-032, PNT0-CB124-033, PNT0-NSWG2-034, PNT0-SBT20-035, & PNT0-UCT1-036	ASPNT0-3816-002, ASPNT0-1263-011, ASPNT0-3874-011, ASPNT0-3814-013, ASPNT0-CB125-016, ASPNT0-3869-019, ASPNT0-1619-030, ASPNT0-BMU2-031, ASPNT0-PORT OPS-032, ASPNT0-CB124-033, ASPNT0-NSWG2-034, ASPNT0-SBT20-035, & ASPNT0-UCT1-036	Ship painting activities	N/A	N/A	N/A	N/A	N/A
<b>Painting Operations - Wood Finishing</b>							
PNTS-WOOD							
PNTS-CB301-001, PNTS-1618-002, PNTS-1522-003, PNTS-3165-004, PNTS-3227-005, & PNTS-3530-006	ASPNTS-CB301-001, ASPNTS-1618-002, ASPNTS-1522-003, ASPNTS-3165-004, ASPNTS-3227-005, & ASPNTS-3530-006	Wood finishing activities	N/A	N/A	N/A	N/A	N/A

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
<b>Woodworking Operations</b>							
WOOD-GRP1							
WOOD-CB301-007 & WOOD-1618-008	STWOOD-CB301-007 & STWOOD-1618-008	Woodworking: WOOD-CB301-007 in bldg CB-301. WOOD-1618-008 in bldg 1618. All installed pre-1972.	N/A	Fabric filters	CDWOOD-CB301-007 & CDWOOD-1618-008	PM/PM-10	N/A
WOOD-GRP2							
WOOD-1522-003, WOOD-3165-004, WOOD-3227-005, WOOD-117-006, WOOD-3530-009 & WOOD-3806-001	STWOOD-1522-003, STWOOD-3165-004, STWOOD-117-006, STWOOD-3530-009, & STWOOD-3806-001	WOOD-1522-003 in bldg 1522. Installed pre-1972. WOOD-3165-004 in bldg 3175. Installed pre-1972. WOOD-117-006 in bldg 117. Installed pre-1972. WOOD-3530-009 in bldg 3530. Installed pre-1972. WOOD-3806-001 in bldg 3806. Installed pre-1997.	N/A	Cyclones	CDWOOD-1522-003, CDWOOD-3165-004, CDWOOD-117-006, CDWOOD-3530-009, & CDWOOD-3806-001	PM/PM-10	N/A
<b>Degreasing Operations - Non-Halogenated Cold Degreasers (DEGS-GRP1)</b>							
DEGS-CB205-001	N/A	Solvent Degreasing in bldg CB-205. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A
DEGS-CB315-001	N/A	Solvent Degreasing in bldg CB-315. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A

<b>Emission Unit ID</b>	<b>Stack ID</b>	<b>Emission Unit Description</b>	<b>Size/Rated Capacity*</b>	<b>Pollution Control Device (PCD) Description</b>	<b>PCD ID</b>	<b>Pollutant Controlled</b>	<b>Applicable Permit Date</b>
DEGS-3817-018	N/A	Solvent Degreasing in bldg 3817. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A
DEGS-3511-021	N/A	Solvent Degreasing in bldg 3511. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A
DEGS-3514-024	N/A	Solvent Degreasing in bldg 3514. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A
DEGS-3859-025	N/A	Solvent Degreasing in bldg 3859. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A
DEGS-3165-031	N/A	Solvent Degreasing in bldg 3165. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A
DEGS-3810-032	N/A	Solvent Degreasing in bldg 3810. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A
DEGS-3615-044	N/A	Solvent Degreasing in bldg 3615. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A
DEGS-3615-045	N/A	Solvent Degreasing in bldg 3615. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A
DEGS-CB125-046	N/A	Solvent Degreasing in bldg CB-125. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A
DEGS-2632-001	N/A	Solvent Degreasing in bldg 2632. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A

<b>Emission Unit ID</b>	<b>Stack ID</b>	<b>Emission Unit Description</b>	<b>Size/Rated Capacity*</b>	<b>Pollution Control Device (PCD) Description</b>	<b>PCD ID</b>	<b>Pollutant Controlled</b>	<b>Applicable Permit Date</b>
DEGS-2632-002	N/A	Solvent Degreasing in bldg 2632. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A
DEGS-2632-003	N/A	Solvent Degreasing in bldg 2632. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A
DEGS-2632-004	N/A	Solvent Degreasing in bldg 2632. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A
DEGS-2632-005	N/A	Solvent Degreasing in bldg 2632. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A
DEGS-108-001	N/A	Solvent Degreasing in bldg 108. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A
DEGS-117-001	N/A	Solvent Degreasing in bldg 117. (solvent < 120°F)	< 10 gallons	N/A	N/A	N/A	N/A

\*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

### III. Abrasive Blasting Operations (ABRA-GRP1 and ABRA-3816A-024)

The abrasive blasting equipment associated with this section of the permit consists of the following emission units: ABRA-CB125-012, ABRA-CB125-023, and ABRA-3816A-024.

#### A. Limitations

1. **Approved Media** - The approved media for the abrasive blast booths (Ref. Nos. ABRA-CB125- 012 and ABRA-CB125-023) is steel grit blasting media. A change in the blasting media may require a permit to modify and operate.  
(9 VAC 5-80-110 and Condition 4 of the 8/8/11 Permit)
2. **Emission Controls** - Particulate emissions from each abrasive blasting booth (Ref. Nos. ABRA-CB125-012 and ABRA-CB125-023) shall be controlled by two (2) baghouses. Each baghouse shall be provided with adequate access for inspection and shall be in operation when abrasive blasting is taking place.  
(9 VAC 5-80-110 and Condition 5 of the 8/8/11 Permit)
3. **Throughput** - The throughput of new steel grit blasting media for the abrasive blasting booths (Ref. Nos. ABRA-CB125-012 and ABRA-CB125-023), combined, shall not exceed 30,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9 VAC 5-80-110 and Condition 6 of the 8/8/11 Permit)
4. **Process Emission Limits** - Emissions from the operation of the abrasive blasting booths (Ref. Nos. ABRA-CB125-012 and ABRA-CB125-023), combined, shall not exceed the limits specified below:

Total Particulate Matter (PM)	1.9 tons/yr
PM-10	0.9 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers III.A.1, 2, and 4.

(9 VAC 5-80-110 and Condition 7 of the 8/8/11 Permit)

5. **Visible Emission Limit** - Visible emissions from each baghouse exhaust for the abrasive blasting booths (Ref. Nos. STABRA-CB125-001 through 004) shall not exceed five (5) percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.  
(9 VAC 5-80-110 and Condition 8 of the 8/8/11 Permit)

6. **Visible Emission Limit** - Visible emissions from the fabric filter exhaust for the LCAC indoor abrasive blasting operation (Ref. No. STABRA-3816A-024) shall not exceed twenty (20) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed thirty (30) percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction. (9 VAC 5-80-110 and 9 VAC 5-50-80)

## **B. Monitoring**

1. **Visible Emissions Evaluations** - The permittee shall perform monthly visual observations on each baghouse stack exhaust for each abrasive blasting booth (Ref. Nos. STABRA-CB125-001 through 004) during normal operating conditions and daylight hours to determine compliance with the opacity limit. If such visual observation indicates any visible emissions, the permittee shall take corrective action to correct the cause of the opacity. If such corrective action fails to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six-minute VEE opacity average exceeds 1/2 the opacity limit, the VEE shall continue for an additional 12 minutes. If any of the six-minute averages during the 18 minutes exceeds the opacity limit, the VEE shall continue for one hour from initiation on the baghouse stack to determine compliance with the opacity limit. Records of visual observations shall include the following: the name of the observer, the date and time of the observation, identification of the stack, an indication of the presence or absence of visible emissions, the duration of any visible emission incident, and any corrective action to eliminate visible emissions. If a VEE is conducted, records shall be maintained in accordance with Method 9 (40 CFR 60, Appendix A). (9 VAC 5-80-110 E)

## **C. Recordkeeping**

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

1. The annual throughput of new steel grit blasting media (in tons) for the abrasive blasting booths (Ref. Nos. ABRA-CB125-012 and ABRA-CB125-023), combined, calculated monthly for the latest 12-consecutive month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
2. Records of the following items for each abrasive blasting booth baghouse stack exhaust (Ref. Nos. STABRA-CB125-001 through 004):
  - a. Records of monthly visual observations, including the name of the observer, the date and time of the observation, identification of the stack, an indication of the presence or absence of visible emissions, the duration of any visible emission incident, and any corrective action to eliminate visible emissions.
  - b. Each Method 9 visible emissions evaluation performed.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110 and Condition 9 of the 8/8/11 Permit)

#### IV. Boilers (Group I & II)

The boilers associated with this section of the permit consist of the following emission units: BOIL-777-001, BOIL-777-002, BOIL-777-003, BOIL-777-004, and BOIL-3870-004.

##### A. Limitations

1. **Fuel** - The approved fuels for the four Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004) are distillate oil and natural gas. A change in the fuel may require a permit to modify and operate.  
(9 VAC 5-80-110 and Condition 10 of the 8/8/11 Permit)

2. **Fuel** - The distillate oil for the Group I boilers (BOIL-777-001, 002, 003, and 004) shall meet the specifications below:

DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil:

Maximum sulfur content per shipment: 0.2%  
(9 VAC 5-80-110 and Condition 11 of the 8/8/11 Permit)

3. **Fuel Throughput** - The Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004), combined, shall consume no more than 17,000,000 gallons of distillate oil and 2,600,000,000 cubic feet of natural gas per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

(9 VAC 5-80-110 and Condition 12 of the 8/8/11 Permit)

4. **Emission Controls** - NO<sub>x</sub> emissions from the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004) shall be controlled by each boiler being equipped with low NO<sub>x</sub> burners and a flue gas re-circulation system. The low NO<sub>x</sub> burners and flue gas re-circulation system shall be in operation when each boiler is operating.

(9 VAC 5-80-110 and Condition 13 of the 8/8/11 Permit)

5. **Requirements by Reference** - Except where this permit is more restrictive than the applicable requirement, the four Group I (NSPS) boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004) shall be operated in compliance with the requirements of 40 CFR 60, Subpart Dc.

**Note:** All applicable requirements of 40 CFR 60, Subpart Dc may not be specifically listed in this permit. The permittee should refer to the most current version of the applicable regulation for additional or revised requirements not included in this permit.

(9 VAC 5-80-110 and Condition 14 of the 8/8/11 Permit)

6. **Fuel** - The approved fuel for the Group II boiler (Ref. No. BOIL-3870-004) is distillate oil. A change in the fuel may require a permit to modify and operate.

(9 VAC 5-80-110 and Condition 15 of the 8/8/11 Permit)

7. **Fuel** - The distillate oil for the Group II boiler (Ref. No. BOIL-3870-004) shall meet the specifications below:

DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil:

Maximum sulfur content per shipment: 0.5%  
(9 VAC 5-80-110 and Condition 16 of the 8/8/11 Permit)

8. **Fuel Throughput** - The Group II boiler (Ref. No. BOIL-3870-004) shall consume no more than 49,822 gallons of distillate oil per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9 VAC 5-80-110 and Condition 17 of the 8/8/11 Permit)

9. **Process Emission Limits** - Emissions from the operation of the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004) shall not exceed the limits specified below:

	<u>Each</u>	<u>Combined</u>
Particulate Matter	2.3 lbs/hr	36.2 tons/yr
PM-10	1.3 lbs/hr	21.1 tons/yr
Sulfur Dioxide	15.6 lbs/hr	241.6 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	7.2 lbs/hr	118.6 tons/yr
Carbon Monoxide	5.9 lbs/hr	96.1 tons/yr
Volatile Organic Compounds	0.4 lbs/hr	7.4 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers IV.A.1 through 4 and 11.  
(9 VAC 5-80-110 and Condition 18 of the 8/8/11 Permit)

10. **Process Emission Limits** - Emissions from the operation of the Group II boiler (Ref. No. BOIL-3870-004) shall not exceed the limits specified below:

Sulfur Dioxide	3.2 lbs/hr	1.8 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	1.5 lbs/hr	0.5 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers IV.A.6 through 8 and 12.

(9 VAC 5-80-110 and Condition 19 of the 8/8/11 Permit)

11. **Visible Emission Limit** - Visible emissions from each of the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004) shall not exceed ten (10) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed twenty (20) percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.

(9 VAC 5-80-110 and Condition 20 of the 8/8/11 Permit)

12. **Visible Emission Limit** - Visible emissions from the Group II boiler (Ref. No. BOIL-3870-004) shall not exceed twenty (20) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed thirty (30) percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.

(9 VAC 5-80-110 and Condition 21 of the 8/8/11 Permit)

## B. Monitoring

1. **Fuel Certification** - The permittee shall obtain a certification from the fuel supplier for each shipment of distillate oil delivered to TNKA-NAB778-001 for use by the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004) and each shipment of distillate oil delivered for the Group II boiler (Ref. No. BOIL-3870-004). Each fuel supplier certification shall include the following:

- a. The name of the fuel supplier;
- b. The date on which the distillate oil was received;
- c. The volume of distillate oil delivered in the shipment;
- d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications (ASTM D396) for numbers 1 or 2 fuel oil; and
- e. For the distillate oil delivered for the Group I boilers: The sulfur content of the distillate oil.

Fuel sampling and analysis, independent of that used for certification, as may be periodically required or conducted by DEQ may be used to determine compliance with the fuel specifications stipulated in Condition numbers IV.A.2 and 7. Exceedance of these specifications may be considered credible evidence of the exceedance of emission limits.

(9 VAC 5-80-110 and Condition 22 of the 8/8/11 Permit)

2. **Visible Emissions Evaluations** - The permittee shall perform monthly visual observations on each Group I boiler stack (Ref. Nos. STBOIL-777-001 through 004) during normal operating conditions and daylight hours to determine compliance with the opacity standard. If such visual observation indicates any visible emissions, the permittee shall take corrective action to correct the cause of the opacity. If such corrective action fails to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six minute VEE opacity average exceeds 5%, the VEE shall continue for an additional 12 minutes. If any of the six minute averages during the 18 minutes exceeds 10%, the VEE shall continue for one hour from initiation on the stack to determine compliance with the opacity limit. Records of visual observations shall include the following: the name of the observer, the date and time of the observation, identification of the stack, an indication of the presence or absence of visible emissions, the duration of any visible emission incident, and any corrective action to eliminate visible emissions. If a VEE is conducted, records shall be maintained in accordance with Method 9 (40 CFR 60, Appendix A).  
(9 VAC 5-80-110 E)

### C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

1. For each of the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004), the monthly and annual throughput of distillate oil (in gallons) and natural gas (in cubic feet). Annual throughput shall be calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
2. The annual throughput of distillate oil (in gallons) and natural gas (in cubic feet) for the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004), combined, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- ~~2.3.~~ The annual throughput of distillate oil (in gallons) for the Group II boiler (Ref. No. BOIL-3870-004), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- ~~3.4.~~ All fuel supplier certifications for the distillate oil delivered for the Group I boilers and the Group II boiler, as required by Condition IV.B.1.
- ~~4.5.~~ Records of the following items for each Group I boiler stack:
  - a. Records of monthly visual observations, including the name of the observer, the date and time of the observation, identification of the stack, an indication of the presence or absence of visible

emissions, the duration of any visible emission incident, and any corrective action to eliminate visible emissions.

- b. Each Method 9 visible emissions evaluation performed.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110 and Conditions 23 of the 8/8/11 Permit)

#### **D. Reporting**

1. **Semi-Annual Fuel Quality Reports for the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004)** - The permittee shall submit fuel quality reports to the Director, Tidewater Regional Office postmarked no later than the 30<sup>th</sup> day following the end of each semi-annual period ending June 30<sup>th</sup> and December 31<sup>st</sup>. If no shipments of distillate oil were received for TNKA-NAB778-001 during the semi-annual period, the fuel quality report shall consist of the dates included in the semi-annual period and a statement that no distillate oil was received for the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004) during the semi-annual period. If distillate oil was received during the reporting period, the report shall include:
  - a. The dates included in the semi-annual period;
  - b. A copy of all fuel supplier certifications for all shipments of distillate oil received for the Group I boilers during the reporting period, indicating the supplier, volume of shipment, sulfur content, and date the shipment was received; and
  - c. A signed statement from the owner or operator of the facility that the fuel supplier certifications represent all of the distillate oil burned by the Group I boilers (Ref. Nos. BOIL-777-001, 002, 003, and 004) or delivered to TNKA-NAB778-001 for use by the Group I boilers.
  - d. One copy of the semi-annual fuel report shall be submitted to:

Associate Director  
Office of Air Enforcement (3AP10)  
U.S. Environmental Protection Agency  
Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

(9 VAC 5-80-110 and Condition 24 of the 8/8/11 Permit)

#### **E. Boiler MACT Applicability**

The Group I Boilers (Ref. Nos. BOIL-777-001, BOIL-777-002, BOIL-777-003, and BOIL-777-004) and the Group II boiler (Ref. No. BOIL-3870-004) will be subject to 40 CFR Part 63, Subpart DDDDD (Industrial/Commercial/Institutional Boilers and Process Heater NESHA (Boiler MACT)) when promulgated, unless the permittee obtains federally enforceable limits on its facility-wide emissions of Hazardous Air Pollutants (HAPs) to below major source thresholds prior to the first substantive compliance date of the Boiler MACT.

## V. Engines/Generators (Group 1, II, III, IV, and V)

The internal combustion engines associated with this section of the permit consist of the following emission units:

Unit ID	Date of Manufacture (If Known)	Date of Installation	Rated Capacity	Applicable Federal Requirements
<b>Group I Generators (ICGF-GRP1)</b>				
ICGF-3150-049	2008	After 1/1/2008	60 kW	40 CFR 60 Subpart IIII 40 CFR 63 Subpart ZZZZ
ICGF-115-058	11/1/2006	After 11/1/2006	20 kW	40 CFR 60 Subpart IIII 40 CFR 63 Subpart ZZZZ
ICGF-3015-003		Before August 1997	60 kW	40 CFR 63 Subpart ZZZZ
ICGF-3165-004		Before August 1997	75 kW	40 CFR 63 Subpart ZZZZ
ICGF-3505-007	1995	Before August 1997	100 kW	40 CFR 63 Subpart ZZZZ
ICGF-3505-008		Before August 1997	60 kW	40 CFR 63 Subpart ZZZZ
ICGF-3550-031		Before August 1997	35 kW	40 CFR 63 Subpart ZZZZ
ICGF-3823-032		Before August 1997	365 kW	40 CFR 63 Subpart ZZZZ
ICGF-3848-033		Before August 1997	60 kW	40 CFR 63 Subpart ZZZZ
ICGF-3856-034		Before August 1997	100 kW	40 CFR 63 Subpart ZZZZ
ICGF-3892-035	July 2005	2005	125 kW	40 CFR 63 Subpart ZZZZ
ICGF-752-036		Before August 1997	250 kW	40 CFR 63 Subpart ZZZZ
ICGF-1609-041	1996	Before August 1997	100 kW	40 CFR 63 Subpart ZZZZ
ICGF-1126-042		Before August 1997	200 kW	40 CFR 63 Subpart ZZZZ
ICGF-1166-043	2004	10/24/2005	100 kW	40 CFR 63 Subpart ZZZZ
ICGF-3006-048	December 2003	After 12/1/2003	30 kW	40 CFR 63 Subpart ZZZZ
ICGF-3890-051	2005	8/19/2005	125 kW	40 CFR 63 Subpart ZZZZ
ICGF-PIER35-054	December 2003	After 12/1/2003	40 kW	40 CFR 63 Subpart ZZZZ
ICGF-MAGAZINE-056	2003	After 1/1/2003	30 kW	40 CFR 63 Subpart ZZZZ
ICGF-1555-061	2003	After 1/1/2003	35 kW	40 CFR 63 Subpart ZZZZ
ICGF-1625-001	2010	2011	40 kW	40 CFR 60 Subpart IIII 40 CFR 63 Subpart ZZZZ
ICGF-2083-063	2003	After 1/1/2003	25 kW	40 CFR 63 Subpart ZZZZ
ICGF-3293-066		After August 2005	35 kW	40 CFR 63 Subpart ZZZZ
ICGF-3445-067	1992	After 1/1/1992	250 kW	40 CFR 63 Subpart ZZZZ
ICGF-3708B-069	2004	11/28/2005	100 kW	40 CFR 63 Subpart ZZZZ
ICGF-4174-070		After August 2005	35 kW	40 CFR 63 Subpart ZZZZ
<b>Group II Engines/Generators (ICGF-GRP2)</b>				
OCOM-3872-010		Before August 1997	190 hp	40 CFR 63 Subpart ZZZZ
OCOM-3872-011		Before August 1997	190 hp	40 CFR 63 Subpart ZZZZ
OCOM-3872-019		Before August 1997	75 hp	40 CFR 63 Subpart ZZZZ
OCOM-3872-020		Before August 1997	135 hp	40 CFR 63 Subpart ZZZZ
ICGF-777-037		Before August 1997	725 kW	None
ICGF-1265-049	2002	2003	600 kW	40 CFR 63 Subpart ZZZZ
ICGF-1265-053	2005	After 1/1/2005	500 kW	40 CFR 63 Subpart ZZZZ
ICGF-1265-059	5/18/2006	7/12/2006	500 kW	40 CFR 60 Subpart IIII 40 CFR 63 Subpart ZZZZ
OCOM-1501-012		Before August 1997	75 kW	40 CFR 63 Subpart ZZZZ
OCOM-1518-017	2001	After 1/1/2001	150 kW	40 CFR 63 Subpart ZZZZ
OCOM-2115-021		Before August 1997	30 kW	40 CFR 63 Subpart ZZZZ
OCOM-3400-022		Before August 1997	30 kW	40 CFR 63 Subpart ZZZZ

Unit ID	Date of Manufacture (If Known)	Date of Installation	Rated Capacity	Applicable Federal Requirements
OCOM-3879-023		Before August 1997	100 kW	40 CFR 63 Subpart ZZZZ
OCOM-5000-024	1995	Before August 1997	55 kW	40 CFR 63 Subpart ZZZZ
<b>Group III Generators (ICGF-GRP3)</b>				
ICGF-773-039		1994	1600 kW	None
ICGF-774-040		1994	1600 kW	None
<b>Group IV Generators (ICGF-GRP4)</b>				
ICGF-3854-001		After August 2005	800 kW	40 CFR 63 Subpart ZZZZ
ICGF-3854-002		After August 2005	240 kW	40 CFR 63 Subpart ZZZZ
ICGF-3075-060	2005	After August 2005	100 kW	40 CFR 63 Subpart ZZZZ
ICGF-3539-064	1/4/2006	After 1/4/2006	450 kW	40 CFR 63 Subpart ZZZZ
ICGF-3808-065	2004	6/24/2006	80 kW	40 CFR 63 Subpart ZZZZ
ICGF-3841-068	11/30/2006	After 11/30/2006	75 kW	40 CFR 63 Subpart ZZZZ
<b>Group V Generators (ICGF-GRP5)</b>				
ICGF-3816A-003	2001	2010	105 kW	40 CFR 63 Subpart ZZZZ
ICGF-3816A-004	1986	2010	750 kW	40 CFR 63 Subpart ZZZZ

#### A. Limitations

- Fuel** - The approved fuel for the Group II engines/generators (Ref. Nos. OCOM-3872-010, 011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, and ICGF-1265-059) is distillate oil. A change in the fuel may require a permit to modify and operate.  
(9 VAC 5-80-110 and Condition 25 of the 8/8/11 Permit)
- Fuel** - The distillate oil for Group II engines/generators OCOM-3872-010, 011, 019, and 020, ICGF-777-037, ICGF-1265-049, and ICGF-1265-053 shall meet the specifications below:  
DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil:  
Maximum sulfur content per shipment: 0.5%  
(9 VAC 5-80-110 and Condition 26 of the 8/8/11 Permit)
- Fuel** - The distillate oil for Group II generator ICGF-1265-059 shall meet the specifications below:  
DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil:  
Maximum sulfur content per shipment: 0.0015%  
(9 VAC 5-80-110 and Condition 27 of the 8/8/11 Permit)
- Fuel Throughput** - The Group II engines/generators (Ref. Nos. OCOM-3872-010, 011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, and ICGF-1265-059), combined, shall consume no more than 78,705 gallons of distillate oil per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9 VAC 5-80-110 and Condition 28 of the 8/8/11 Permit)
- Fuel** - The approved fuel for the Group III generators (Ref. Nos. ICGF-773-039 and ICGF-774-040) is distillate oil. A change in the fuel may require a permit to modify and operate.  
(9 VAC 5-80-110 and Condition 29 of the 8/8/11 Permit)

6. **Fuel** - The distillate oil for the Group III generators (Ref. Nos. ICGF-773-039 and ICGF-774-040) shall meet the specifications below:

DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil:

Maximum sulfur content per shipment                      0.5%  
(9 VAC 5-80-110 and Condition 30 of the 8/8/11 Permit)

7. **Fuel Throughput** - The Group III generators (Ref. Nos. ICGF-773-039 and ICGF-774-040), combined, shall consume no more than 160,000 gallons of distillate oil per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9 VAC 5-80-110 and Condition 31 of the 8/8/11 Permit)

8. **Emission Controls** - Nitrogen oxide emissions from each Group III generator (Ref. Nos. ICGF-773-039 and ICGF-774-040) shall be controlled by retarding the fuel injection timing by four (4) degrees from standard timing.  
(9 VAC 5-80-110 and Condition 32 of the 8/8/11 Permit)

9. **Fuel** - The approved fuel for the Group V generators (Ref. Nos. ICGF-3816A-003 and ICGF-3816A-004) is distillate oil. A change in the fuel may require a permit to modify and operate.  
(9 VAC 5-80-110 and Condition 33 of the 8/8/11 Permit)

10. **Fuel** - The distillate oil for Group V generator ICGF-3816A-003 shall meet the specifications below:

DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil:

Maximum sulfur content per shipment:                      0.5%  
(9 VAC 5-80-110 and Condition 34 of the 8/8/11 Permit)

11. **Fuel** - The distillate oil for Group V generator ICGF-3816A-004 shall meet the specifications below:

DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil:

Maximum sulfur content per shipment:                      0.0015%  
(9 VAC 5-80-110 and Condition 35 of the 8/8/11 Permit)

12. **Fuel Throughput** - The Group V generators (Ref. Nos. ICGF-3816A-003 and ICGF-3816A-004) shall consume no more than 156,000 gallons of distillate oil per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9 VAC 5-80-110 and Condition 36 of the 8/8/11 Permit)

**For the engines and generators listed in the table at the beginning of Section V as applicable to 40 CFR 60, Subpart IIII:**

13. **NSPS, Subpart IIII** - The permittee shall comply with the applicable requirements of 40 CFR 60, Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines) as follows:
- a. The permittee shall comply with the applicable emissions standards in 40 CFR 60.4205.
  - b. The permittee shall comply with the applicable fuel requirements in 40 CFR 60.4207.
  - c. The permittee shall comply with the applicable monitoring requirements in 40 CFR 60.4209.
  - d. The permittee shall comply with the applicable compliance requirements in 40 CFR 60.4211.
  - e. The permittee shall comply with the applicable testing requirements in 40 CFR 60.4212 and 40 CFR 60.4213
  - f. The permittee shall comply with the applicable notification, reporting, and recordkeeping requirements in 40 CFR 60.4214.
  - g. The permittee shall comply with the applicable requirements of the General Provisions as outlined in Table 8 to 40 CFR 60 Subpart IIII.

The permittee shall refer to the most current version of the applicable regulation for additional or revised requirements not included in this permit.

(9 VAC 5-80-110, 40 CFR 60 Subpart IIII, 40 CFR 60.4205, 40 CFR 60.4207, 40 CFR 60.4209, 40 CFR 60.4211, 40 CFR 60.4212, 40 CFR 60.4213, 40 CFR 60.4214, and 40 CFR 60.4218)

**For the engines and generators listed in the table at the beginning of Section V as applicable to 40 CFR 63, Subpart ZZZZ:**

14. **MACT, Subpart ZZZZ** - The permittee shall comply with the applicable requirements of 40 CFR 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). The permittee shall refer to the most current version of the applicable regulation for additional or revised requirements not included in this permit. (9 VAC 5-80-110 and 40 CFR 63, Subpart ZZZZ)
15. **MACT, Subpart ZZZZ** - All new or reconstructed non-emergency compression ignition (CI) stationary RICE with a site rating of more than 500 brake HP shall be in compliance with 40 CFR 63, Subpart ZZZZ upon start-up. These units shall comply with the following requirements, as applicable:

- a. Emission limitations and operating requirements in 40 CFR 63.6600 (Tables 2a and 2b).
- b. General compliance requirements in 40 CFR 63.6605.
- c. Testing requirements in 40 CFR 63.6610, 63.6615, 63.6620 (Tables 3, 4, and 5).
- d. Monitoring, installation, collection, operation, and maintenance requirements in 40 CFR 63.6625(a), (b), (h), and (k).
- e. Initial compliance requirements in 40 CFR 63.6630 (Table 5).
- f. Continuous compliance requirements in 40 CFR 63.6635 and 63.6640.
- g. Notification requirements in 40 CFR 63.6645.
- h. Reporting requirements in 40 CFR 63.6650 (except (g)).
- i. Recordkeeping requirements in 40 CFR 63.6655 (except (c), (e), and (f)) and 63.6660.
- j. Requirements of the General Provisions listed in 40 CFR Subpart A.

(9 VAC 5-80-110, 40 CFR 63.6600, 63.6605, 63.6610, 63.6615, 63.6620, 63.6625, 63.6630, 63.6635, 63.6640, 63.6645, 63.6650, 63.6655, and 63.6660)

16. **MACT, Subpart ZZZZ** - New or reconstructed emergency stationary RICE with a site rating of more than 500 brake hp located at a major source of HAP emissions do not have to meet the requirements of 40 CFR 63, Subpart ZZZZ, except for the initial notification requirements of 40 CFR 63.6645(f).  
(9 VAC 5-80-110 and 40 CFR 63.6590(b)(1)(i))
17. **MACT, Subpart ZZZZ** - All new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake HP shall meet the requirements of 40 CFR 63, Subpart ZZZZ by meeting the requirements of 40 CFR 60 Subpart IIII, as applicable. No further requirements apply for such engines under 40 CFR 63, Subpart ZZZZ. This condition applies to Ref. Nos. ICGF-3150-049, ICGF-115-058, and ICGF-3816A-003. Please note, however, that unit ICGF-3816A-003 was manufactured prior to the applicability date for 40 CFR 60, Subpart IIII, thus the requirements of this subpart do not apply to this unit.  
(9 VAC 5-80-110 and 40 CFR 63.6590(c)(6) and (c)(7))
18. **MACT, Subpart ZZZZ** - All new or reconstructed spark ignition (SI) stationary RICE with a site rating of less than or equal to 500 brake HP shall meet the requirements of 40 CFR 63, Subpart ZZZZ by meeting the requirements of 40 CFR 60, Subpart JJJJ, as applicable. No further requirements apply for such engines under 40 CFR 63, Subpart ZZZZ. This condition applies to Ref. Nos. ICGF-3808-065 and ICGF-3841-068. Please note, however, that these units were manufactured prior to the applicability date for 40 CFR 60, Subpart JJJJ, thus the requirements of this subpart do not apply.  
(9 VAC 5-80-110 and 40 CFR 63.6590(c)(6))

19. **MACT, Subpart ZZZZ** - All existing emergency compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 hp shall be in compliance with 40 CFR 63, Subpart ZZZZ by May 3, 2013. These units shall comply with the following requirements, as applicable:

- a. Emission limitations in 40 CFR 63.6602 (Table 2c).
- b. General compliance requirements in 40 CFR 63.6605.
- c. Monitoring, installation, collection, operation, and maintenance requirements in 40 CFR 63.6625(e), (f), (h), and (i).
- d. Continuous compliance requirements in 40 CFR 63.6640.
- e. Recordkeeping requirements in 40 CFR 63.6655 (except (c)) and 63.6660.
- f. Reporting requirements as specified in Footnote 1 of Table 2c.
- g. Requirements of the General Provisions listed in 40 CFR Subpart A, except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h).

(9 VAC 5-80-110, 40 CFR 63.6602, 63.6605, 63.6625, 63.6640, 63.6645, 63.6655, and 63.6660)

20. **MACT, Subpart ZZZZ** - All existing emergency spark ignition (SI) stationary RICE with a site rating of less than or equal to 500 hp shall be in compliance with 40 CFR 63, Subpart ZZZZ by October 19, 2013. These units shall comply with the following requirements, as applicable:

- a. Emission limitations in 40 CFR 63.6602 (Table 2c).
- b. General compliance requirements in 40 CFR 63.6605.
- c. Monitoring, installation, collection, operation, and maintenance requirements in 40 CFR 63.6625(e), (f), (h), and (j).
- d. Continuous compliance requirements in 40 CFR 63.6640.
- e. Recordkeeping requirements in 40 CFR 63.6655 (except (c)) and 63.6660.
- f. Reporting requirements as specified in Footnote 1 of Table 2c.
- g. Requirements of the General Provisions listed in 40 CFR Subpart A, except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h).

(9 VAC 5-80-110, 40 CFR 63.6602, 63.6605, 63.6625, 63.6640, 63.6645, 63.6655, and 63.6660)

21. **MACT, Subpart ZZZZ** - Existing emergency stationary RICE with a site rating of more than 500 brake hp located at a major source of HAP emissions do not have to meet the requirements of 40 CFR 63, Subpart ZZZZ, including initial notification requirements.

(9 VAC 5-80-110 and 40 CFR 63.6590(b)(3)(iii))

22. **MACT, Subpart ZZZZ** - For an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, the following compliance dates shall apply:

- (1) Any stationary RICE for which construction or reconstruction is commenced after the date when your area source becomes a major source of HAP must be in compliance with this subpart upon startup of your affected source.
- (2) Any stationary RICE for which construction or reconstruction is commenced before your area source becomes a major source of HAP must be in compliance with the provisions of this subpart that are applicable to RICE located at major sources within 3 years after your area source becomes a major source of HAP.

(9 VAC 5-80-110 and 40 CFR 63.6595(b))

23. **Process Emission Limits** - Emissions from the operation of the Group II engines/generators (Ref. Nos. OCOM-3872-010,011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, and ICGF-1265-059), combined, shall not exceed the limits specified below:

Particulate Matter (PM)	1.7 tons/yr
PM-10	1.7 tons/yr
Sulfur Dioxide	1.6 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	24.3 tons/yr
Carbon Monoxide	5.2 tons/yr
Volatile Organic Compounds	1.9 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers V.A.1 through 4 and 34.

(9 VAC 5-80-110 and Condition 37 of the 8/8/11 Permit)

24. **Process Emission Limits** - Emissions from the operation of the Group III generators (Ref. Nos. ICGF-773-039 and ICGF-774-040), combined, shall not exceed the limits specified below:

Particulate Matter (PM)	0.8 tons/yr
PM-10	0.7 tons/yr
Sulfur Dioxide	5.7 tons/yr
Nitrogen Oxides	35.8 tons/yr

(as NO<sub>2</sub>)

Carbon Monoxide	9.5 tons/yr
Volatile Organic Compounds	0.9 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers V.A.5 through 8 and 34.

(9 VAC 5-80-110 and Condition 38 of the 8/8/11 Permit)

25. **Process Emission Limits** - Emissions from the operation of the Group V generators (Ref. Nos. ICGF-3816A-003 and ICGF-3816A-004) shall not exceed the limits specified below:

Particulate Matter (PM)	2.0 tons/yr
PM-10	1.7 tons/yr
Sulfur Dioxide	1.3 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	39.4 tons/yr
Carbon Monoxide	9.5 tons/yr
Volatile Organic Compounds	2.1 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers V.A.9 through 12 and 34.

(9 VAC 5-80-110 and Condition 39 of the 8/8/11 Permit)

26. **Visible Emission Limit** - Visible emissions from each of the Group II engines/generators (Ref. Nos. OCOM-3872-010, 011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, and ICGF-1265-059), the Group III generators (Ref. Nos. ICGF-773-039 and ICGF-774-040), and the Group V generators (Ref. Nos. ICGF-3816A-003 and ICGF-3816A-004) shall not exceed twenty (20) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed thirty (30) percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction. (9 VAC 5-80-110 and Condition 40 of the 8/8/11 Permit)

## **B. Monitoring**

1. **Fuel Certification** - The permittee shall obtain a certification from the fuel supplier for each shipment of distillate oil delivered for the Group II engines/generators (Ref. Nos. OCOM-3872-010, 011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, and ICGF-1265-059), the Group III generators (Ref. Nos. ICGF-773-039 and ICGF-774-040), and the Group V generators (Ref. Nos. ICGF-3816A-003 and ICGF-3816A-004). Each fuel supplier certification shall include the following:
  - a. The name of the fuel supplier;
  - b. The date on which the distillate oil was received;
  - c. The volume of distillate oil delivered in the shipment;
  - d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications (ASTM D396) for numbers 1 or 2 fuel oil; and
  - e. For the distillate oil delivered for Group II generator ICGF- 1265-059 and Group V generator ICGF-3816A-004: The sulfur content of the distillate oil.

Fuel sampling and analysis, independent of that used for certification, as may be periodically required or conducted by DEQ may be used to determine compliance with the fuel specifications stipulated in Condition numbers V.A.2, 3, 6, 10, and 11. Exceedance of these specifications may be considered credible evidence of the exceedance of emission limits.

(9 VAC 5-80-110 and Condition 41 of the 8/8/11 Permit)

2. **Visible Emission Evaluations** - The permittee shall observe each Group III generator stack (Ref. Nos. STICGF-773-039 and STICGF-774-040) and Group V generator stack STICGF-3816A-004 for visible emissions when the generators are under full load at least once per year. If such visual observation indicates any visible emissions, the permittee shall take corrective action to correct the cause of the opacity. If such corrective action fails to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six minute VEE opacity average exceeds 10%, the VEE shall continue for an additional 12 minutes. If any of the six minute averages during the 18 minutes exceeds 20%, the VEE shall continue for one hour from initiation on the stack to determine compliance with the opacity limit. Records of visual observations shall include the following: the name of the observer, the date and time of the observation, identification of the stack, an indication of the presence or absence of visible emissions, the duration of any visible emission incident, and any corrective action to eliminate visible emissions. If a VEE is conducted, records shall be maintained in accordance with Method 9 (40 CFR 60, Appendix A).  
(9 VAC 5-80-110 E)

## **C. Recordkeeping**

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

1. The annual throughput of distillate oil (in gallons) for the Group II engines/generators (Ref. Nos. OCOM-3872-010,011, 019, and 020, ICGF-777-037, ICGF-1265-049, ICGF-1265-053, and ICGF-1265-059), combined, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
2. The annual throughput of distillate oil (in gallons) for the Group III generators (Ref. Nos. ICGF-773-039 and ICGF-774-040), combined, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
3. The annual throughput of distillate oil (in gallons) for the Group V generators (Ref. Nos. ICGF-3816A-003 and ICGF-3816A-004), combined, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
4. All fuel supplier certifications for the distillate oil delivered for the Group II engines/generators, the Group III generators, and the Group V generators, as required by Condition V.B.1.
5. Records as necessary to demonstrate compliance with 40 CFR 60 Subpart IIII and 40 CFR 63 Subpart ZZZZ for the engines and generators listed in the table at the beginning of Section V as applicable to these subparts.
6. Records of the following items for each Group III generator stack and Group V generator stack STICGF-3816A-004:
  - a. Records of annual visual observations, including the name of the observer, the date and time of the observation, identification of the stack, an indication of the presence or absence of visible emissions, the duration of any visible emission incident, and any corrective action to eliminate visible emissions.
  - b. Each Method 9 visible emissions evaluation performed.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110 and Condition 42 of the 8/8/11 Permit)

## **VI. Firing Ranges (FIRI-GRP)**

The firing ranges associated with this section of the permit consist of the following emission units:  
FIRI-3817-001 and FIRI-3638-002.

### **A. Limitations**

1. **Emission Controls** - Particulate emissions from each small arms range (Ref. Nos. FIRI-3817-001 and FIRI-3638-002) shall be controlled by disposable particulate filters. Each particulate filter shall be provided with adequate access for inspection and shall be in operation when a firing range is operating.  
(9 VAC 5-80-110 and Condition 43 of the 8/8/11 Permit)
2. **Visible Emission Limit** - Visible emissions from the disposable particulate filter stack of each small arms range (Ref. Nos. STFIRI-3817-001 and STFIRI-3638-002) shall not exceed twenty (20) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed thirty (30) percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.  
(9 VAC 5-80-110 and Condition 44 of the 8/8/11 Permit)

### **B. Monitoring**

The permittee shall perform annual visual observations on each disposable particulate filter stack for each firing range (Ref. Nos. STFIRI-3817-001 and STFIRI-3638-002) during normal operating conditions and daylight hours to determine compliance with the opacity standard. If such visual observation indicates any visible emissions, the permittee shall take corrective actions to correct the cause of the opacity. If such corrective action fails to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six minute VEE opacity average exceeds 10%, the VEE shall continue for an additional 12 minutes. If any of the six minute averages during the 18 minutes exceeds 20%, the VEE shall continue for one hour from initiation on the stack to determine compliance with the opacity limit. Records of visual observations shall include the following: the name of the observer, the date and time of the observation, identification of the stack, an indication of the presence or absence of visible emissions, the duration of any visible emission incident, and any corrective action to eliminate visible emissions. If a VEE is conducted, records shall be maintained in accordance with Method 9 (40 CFR 60, Appendix A).

(9 VAC 5-80-110 E)

### **C. Recordkeeping**

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

1. Records of annual visual observations, including the name of the observer, the date and time of the observation, identification of the stack, an indication of the presence or absence of visible emissions, the duration of any visible emission incident, and any corrective action to eliminate visible emissions.

2. Each Method 9 visible emissions evaluation performed.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110)

## **VII. Gasoline Operations**

The gasoline operations associated with this section of the permit consist of the following emission units: PETO-3838-001A, GSTA-1612-003, GSTA-3084-005, and GSTA-3836A-006.

### **A. Limitations**

1. **Emission Controls** - VOC emissions from the tanks at the commercial and fuel farm service stations and tank at the loading rack (Ref. No. PETO-3838-001A) shall be controlled by the use of Stage I vapor recovery equipment that consists of:
  - a. A submerged fill pipe,
  - b. A vapor control system with the vapor recovery portion consisting of one of the following:
    - (i) A vapor tight return line from the tank to the tank truck which shall be connected before gasoline is transferred into the tank;
    - (ii) Any adsorption system or condensation system; or
    - (iii) Any system of equal or greater control efficiency to the systems in subsections (i) or (ii) above.
  - c. A vapor control system with the vapor balance portion meeting the criteria listed in 9 VAC 5-40-5230 E.3.

Each Stage I vapor recovery system shall be provided with adequate access for inspection and shall be in operation when a tank is being filled.

(9 VAC 5-40-5220.E.1, and 9 VAC 5-40-5230.E.1, 2 & 3)

### **B. Monitoring**

At least once per year, the permittee shall observe a gasoline delivery to GSTA-1612-003, GSTA 3084-005, and GSTA-3860-006 for the Stage I vapor recovery system usage.

(9 VAC 5-80-110 E)

### **C. Recordkeeping**

The permittee shall maintain records of the annual Stage I vapor recovery system usage monitoring results, including any corrective actions taken, if necessary. These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110)

## **VIII. Painting Operations - Non-Shipbuilding/Ship Repair (PNTS-GRP1, PNTS GRP2, and PNTS-GRP3)**

The painting operations associated with this section of the permit consists of the following emission units: PNTS-3661-006, PNTS-CB125-016, PNTS-3816-007, PNTS-3511-008, PNTS-3514-009, PNTS-3874-010, PNTS-CB123-012, PNTS-3855-014, PNTS-3812-015, PNTS-3853-016, PNTS-1126-017, PNTS-CB315-018, PNTS-3869-019, PNTS-3896-020, PNTS-CB301-010, PNTS-1619-015, PNTS-3814-040, and PNTS-PORTOPS-041, PNTS-1131-003, PNTS-1522-004, PNTS-3165-005, PNTS-3226-006, PNTS-1619-050, PNTS-PORTOPS-051, and PNTS-3814-052

### **A. Limitations**

1. **Emission Controls** - Particulate emissions from each paint spray booth (Ref. Nos. PNTS-3661-006 and PNTS-CB125-016) shall be controlled by a dry filter. Each particulate filter shall be provided with adequate access for inspection and shall be in operation when a paint spray booth is operating.  
(9 VAC 5-80-110 and Condition 45 of the 8/8/11 Permit)
2. **Throughput** - The throughput of coatings for the paint spray booths (Ref. Nos. PNTS-3661-006 and PNTS-CB125-016), combined, shall not exceed 10,050 gallons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9 VAC 5-80-110 and Condition 46 of the 8/8/11 Permit)
3. **Process Emission Limits** - Emissions from the operation of the paint spray booths (Ref. Nos. PNTS-3661-006 and PNTS-CB125-016), combined, shall not exceed the limits specified below:  

Volatile Organic Compounds	45.0 tons/yr
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Compliance with these emission limits may be determined as stated in Condition number VIII.B.3.  
(9 VAC 5-80-110 and Condition 47 of the 8/8/11 Permit)
4. **Visible Emission Limit** - Visible emissions from each paint spray booth (Ref. Nos. PNTS-3661-006 and PNTS-CB125-016) shall not exceed five (5) percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.  
(9 VAC 5-80-110 and Condition 48 of the 8/8/11 Permit)
5. **VOC Work Practice Standards** - At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers, or

handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions.

(9 VAC 5-50-20 F and Condition 49 of the 8/8/11 Permit)

## **B. Recordkeeping**

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

1. The annual throughput of coatings (in gallons) for the paint spray booths (Ref. Nos. PNTS-3661-006 and PNTS-CB125-016), combined, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
2. Current MSDS for each coating and solvent used in each paint spray booth, indicating the VOC content in pounds per gallon, less water, and the percent by weight of each HAP.
3. Calculated annual volatile organic compound emissions to show compliance with the limit in Condition number VIII.A.3. Annual emissions shall be calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110 and Condition 50 of the 8/8/11 Permit)

## **IX. Painting Operations - Shipbuilding/Ship Repair (PNTS-PIER SIDE and PNTS SHIP)**

The painting operations associated with this section of the permit consist of the following emission units: PNT0-CONTRACTOR-020, PNT0-SHIPFORCE-021, PNT0-3816-002, PNT0-1263-011, PNT0-3874-011, PNT0-3814-013, PNT0-CB125-016, PNT0-3869-019, PNT0-1619-030, PNT0-BMU2-031, PNT0-PORTOPS-032, PNT0-CB124-033, PNT0-NSWG2-034, PNT0-SBT20-035, and PNT0-UCT1-036.

### **A. Limitations**

1. Each shipbuilding and ship repair operation shall be operated in compliance with the general provisions of 40 CFR Part 63, Subpart A as specified in Table 1 of 40 CFR Part 63, Subpart II (National Emission Standards for Hazardous Air Pollutants for Shipbuilding and Ship Repair (Surface Coating)).  
(9 VAC 5-80-110, 9 VAC 5-60-100, and 40 CFR 63.780)
2. The provisions of 40 CFR 63, Subpart A pertaining to startups, shutdowns, malfunctions, and continuous monitoring do not apply unless an add-on control system is used to comply with 40 CFR 63, Subpart II.  
(9 VAC 5-80-110, 9 VAC 5-60-100, and 40 CFR 63.78(d))
3. The permittee shall comply with the applicable provisions of 40 CFR 63, Subpart II (National Emission Standards for Hazardous Air Pollutants for Shipbuilding and Ship Repair (Surface Coating)).  
(9 VAC 5-80-110 and 9 VAC 5-60-100)
4. No owner or operator shall cause or allow the application of any coating to a ship with an as-applied Volatile Organic Hazardous Air Pollutant (VOHAP) content exceeding the applicable limit given in Table 2 of 40 CFR 63, Subpart II.  
(9 VAC 5-80-110, 9 VAC 5-60-100 and 40 CFR 63.783(a))
5. The provisions of 40 CFR Part 63 Subpart II do not apply to "low-usage exempt" coatings used in quantities less than 52.8 gallons per year for each coating, and 264 gallons per year for all such coatings. Coatings exempt under this condition shall be clearly labeled as "low-usage exempt".  
(9 VAC 5-80-110, 9 VAC 5-60-100, and 40 CFR 63.781(b))
6. **VOC Work Practice Standards** - At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions.  
(9 VAC 5-50-20 F and 9 VAC 5-80-110)

7. Each owner or operator shall ensure that:

- a. All handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills.
- b. All containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them.

(9 VAC 5-80-110, 9 VAC 5-60-100, and 40 CFR 63.783(b))

8. Each owner or operator of an existing unaffected area source that increases its emissions of (or its potential to emit) HAP such that the source becomes a major source that is subject to this subpart shall comply within one year after the date of becoming a major source.

(9 VAC 5-80-110, 9 VAC 5-60-100, and 40 CFR 63.784(b))

**B. Monitoring**

1. For each batch of coating that is received for use in shipbuilding and/or ship repair, the permittee shall:

- a. Determine the coating category and the applicable VOHAP limit as specified in 40 CFR 63.783 (a); and
- b. Certify the as-supplied VOC content of the coating. The permittee may use a VOC certification supplied by the manufacturer for the batch of coating. If the permittee performs certification testing, only one of the containers in which the batch of coating was received is required to be tested.

2. In lieu of testing each batch of coating, as applied, the owner or operator may determine compliance with the VOHAP limits using any combination of the procedures described in 40 CFR 63.785 (c)(1), (c)(2), (c)(3), and (c)(4). The procedure used for each coating shall be determined and documented prior to application.

3. The results of any compliance demonstration using Method 24 shall take precedence over the results using the procedures in 40 CFR 63.785 (c)(1), (c)(2), or (c)(3).  
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.785(b)(2))

4. The results of any compliance demonstration conducted using an approved test method to determine VOHAP content shall take precedence over the results using the procedures in 40 CFR 63.785(c)(4).  
(9 VAC 5-80-110, 9 VAC 5-60-100, and 40 CFR 63.785(b)(3))

**C. Recordkeeping**

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

1. For each compliance procedure used (40 CFR 63.785(c)(1), (2), (3), and (4)), the permittee shall maintain records to demonstrate compliance with the chosen procedure.  
(9 VAC 5-80-110 and 40 CFR 63.785(c)).
2. Each owner or operator shall comply with the applicable recordkeeping and reporting requirements in 40 CFR 63.10(a), (b), (d), and (f).  
(9 VAC 5-80-110, 9 VAC 5-60-100, and 40 CFR 63.788(a))
3. Each owner or operator of a major source shipbuilding or ship repair facility having surface coating operations with less than 264 gallons annual marine coating usage shall record the total volume of coating applied at the source to ships. Such records shall be compiled monthly and maintained for a minimum of 5 years.  
(9 VAC 5-80-110, 9 VAC 5-60-100, and 40 CFR 63.788(b)(1))
4. For each coating used in ship painting (Ref. Nos. PNTS-SHIP), the permittee shall compile records on a monthly basis. At a minimum, these records shall include:
  - a. All documentation supporting initial notification;
  - b. A copy of the approved implementation plan;
  - c. The volume of each low-usage exempt coating applied;
  - d. Identification of the coatings used, their appropriate coating categories, and the applicable VOHAP limit;
  - e. Certification of the as-supplied VOHAP content of each batch of coating;
  - f. A determination of whether containers meet the standards as described in 63.783(b)(2) (Condition IX.A.7.b);
  - g. The results of any Method 24 of appendix A to 40 CFR part 60 or approved VOHAP measurement test conducted on individual containers of coating, as applied; and
  - h. Any additional information as determined by the compliance procedure(s) described in 63.785(c) that the permittee followed.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110, 9 VAC 5-60-100, 40 CFR 63.788 (b)(2), and 40 CFR 63.788 (b)(3))

#### **D. Reporting**

Before the 60<sup>th</sup> day following completion of each 6-month period after the compliance date specified in 40 CFR 63.784, each owner or operator of an affected source shall submit a report to the EPA Administrator and the DEQ Tidewater Regional Office for each of the previous 6 months. The report shall include all of the information that must be retained pursuant to paragraphs (b)(2) through (3) of 40 CFR 63.788, except for that specified in paragraphs (b)(2)(i) through (ii), (b)(2)(v), (b)(3)(i)(A), (b)(3)(ii)(A), and (b)(3)(iii)(A). If a violation is detected, the source shall also report the information

specified in paragraph (b)(4) of 40 CFR 63.788 for the reporting period during which the violation(s) occurred. To the extent possible, the report shall be organized according to the compliance procedure(s) followed each month by the affected source.

(9 VAC 5-80-110, 9 VAC 5-60-100, and 40 CFR 63.788 (c))

## **X. Painting Operations - Wood Finishing (PNTS-WOOD)**

The painting operations associated with this section of the permit consist of the following emission units: PNTS-CB301-001, PNTS-1618-002, PNTS-1522-003, PNTS-3165-004, PNTS-3227-005, and PNTS-3530-006.

### **A. Limitations**

1. Each wood finishing operation is to be operated in compliance with the general provisions of 40 CFR Part 63, Subpart A as specified in Table 1 of 40 CFR Part 63, Subpart JJ (National Emission Standards for Hazardous Air Pollutants for Wood Furniture Manufacturing Operations).  
(9 VAC 5-80-110, 9 VAC 5-60-100, and 40 CFR 63.800(d))
2. The owner or operator of a source that meets the definition for an incidental wood furniture manufacturer shall maintain purchase or usage records demonstrating that the source meets the definition of "incidental wood furniture manufacturer" in 40 CFR 63.801, but the source shall not be subject to any other provisions of 40 CFR, Part 63, Subpart JJ. "Incidental wood furniture manufacturer" is defined in 40 CFR 63.801 as a major source that is primarily engaged in the manufacture of products other than wood furniture or wood furniture components and that uses no more than 100 gallons per month of finishing material or adhesives in the manufacture of wood furniture or wood furniture components.  
(9 VAC 5-80-1180, 9 VAC 5-60-100, 40 CFR 63.800(a), and 40 CFR 63.801)
3. **VOC Work Practice Standards** - At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions.  
(9 VAC 5-50-20 F and 9 VAC 5-80-110)
4. The owner or operator of an existing area source that increases its emissions of (or its potential to emit) HAP such that the source becomes a major source that is subject to this subpart shall comply with this subpart within one year after becoming a major source.  
(9 VAC 5-80-1180, 9 VAC 5-60-100, 40 CFR 63.800(e))

### **B. Recordkeeping**

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to purchase or usage records demonstrating that the source meets the definition of "incidental wood furniture manufacturer" in 40 CFR 63.801. These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.  
(9 VAC 5-80-110, 9 VAC 5-60-100, and 40 CFR 63.800(a))

## **XI. Woodworking Operations (WOOD-GRP1 and WOOD-GRP2)**

The woodworking operations associated with this section of the permit consist of the following emission units: WOOD-CB301-007, WOOD-1618-008, WOOD-1522-003, WOOD-3165-004, WOOD-3227-005, WOOD-117-006, WOOD-3530-009, and WOOD-3806-001.

### **A. Limitations**

1. **Emission Controls** - Particulate matter emissions from WOOD-CB301-007 and WOOD-1618-008 shall be controlled by fabric filters (Ref. Nos. CDWOOD-CB301-007 and CDWOOD-1618-008). Each fabric filter shall be maintained and operated according to the manufacturer's recommendations, shall be provided with adequate access for inspection, and shall be in operation when a wood working operation is being conducted.  
(9 VAC 5-80-110 and 9 VAC 5-40-2270 A)
2. **Emission Controls** - Particulate matter emissions from WOOD-1522-003, WOOD-3165-004, WOOD-3227-005, WOOD-117-006, WOOD-3530-009, and WOOD-3806-001 shall be controlled by cyclones (Ref. Nos. CDWOOD-1522-003, CDWOOD-3165-004, CDWOOD-3227-005, CDWOOD-117-006, CDWOOD-3530-009, and CDWOOD-3806-001). Each cyclone shall be maintained and operated according to the manufacturer's recommendations, shall be provided with adequate access for inspection, and shall be in operation when a wood working operation is being conducted.  
(9 VAC 5-80-110 and 9 VAC 5-40-2270 A)
3. **Emission Limits** - Particulate matter emissions from each woodworking shop (Ref. Nos. WOOD-CB301-007, WOOD-1618-008, WOOD-1522-003, WOOD-3165-004, WOOD-3227-005, WOOD-117-006, WOOD-3530-009, and WOOD-3806-001) shall not exceed 0.05 grains per standard cubic feet of exhaust gas.  
(9 VAC 5-80-110 and 9 VAC 5-40-2270 B)
4. **Visible Emission Limits** - Visible emissions from each woodworking stack (Ref. Nos. STWOOD-CB301-007, STWOOD-1618-008, STWOOD-1522-003, STWOOD-3165-004, STWOOD-3227-005, STWOOD-117-006, and STWOOD-3530-009) shall not exceed twenty (20) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed sixty (60) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).  
(9 VAC 5-80-110 and 9 VAC 5-40-80)
5. **Visible Emission Limits** - Visible emissions from woodworking stack STWOOD-3806-001 shall not exceed twenty (20) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed thirty (30) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.  
(9 VAC 5-80-110 and 9 VAC 5-50-80)

## **B. Monitoring**

1. The permittee shall conduct annual internal inspections of each cyclone (Ref. Nos. CDWOOD-1522-003, CDWOOD-3165-004, CDWOOD-3227-005, CDWOOD-117-006, CDWOOD-3530-009, and CDWOOD-3806-001) for structural integrity. If there is no access door to view the internal part of the cyclone, the permittee shall conduct an external inspection of the duct work and the emission capture and control system.  
(9 VAC 5-80-110 E)
2. The permittee shall perform annual visible emission observations for each woodworking stack (Ref. Nos. STWOOD-CB301-007, STWOOD-1618-008, STWOOD-1522-003, STWOOD-3165-004, STWOOD-3227-005, STWOOD-117-006, STWOOD-3530-009, and STWOOD-3806-001) during normal operating conditions and daylight hours. If such visual observation indicates any visible emissions, the permittee shall take corrective action to eliminate the visible emissions. If such corrective action fails to eliminate the visible emissions, the permittee shall conduct a visible emission evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six minute VEE average exceeds 10%, the VEE shall continue for an additional 12 minutes. If any six minute average during the 18 minutes exceeds 20%, the VEE shall continue for one hour from initiation on the stack to determine compliance with the opacity limit. Records of visual observations shall include the following: the name of the observer, the date and time of the observation, identification of the stack, an indication of the presence or absence of visible emissions, the duration of any visible emission incident, and any corrective action to eliminate visible emissions. If a VEE is conducted, records shall be in accordance with Method 9 (40 CFR 60, Appendix A).  
(9 VAC 5-80-110 E)

## **C. Recordkeeping**

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

1. Annual inspection results of the cyclones (Ref. Nos. CDWOOD-1522-003, CDWOOD-3165-004, CDWOOD-3227-005, CDWOOD-117-006, CDWOOD-3530-009, and CDWOOD-3806-001);
2. Records of the following items for each woodworking stack (Ref. Nos. STWOOD-CB301-007, STWOOD-1618-008, STWOOD-1522-003, STWOOD-3165-004, STWOOD-3227-005, STWOOD-117-006, STWOOD-3530-009, and STWOOD-3806-001):
  - a. Records of annual visual observations, including the name of the observer, the date and time of the observation, identification of the stack, an indication of the presence or absence of visible emissions, the duration of any visible emission incident, and any corrective action to eliminate visible emissions.
  - b. Each Method 9 visible emissions evaluation performed.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.  
(9 VAC 5-80-110)

## **XII. Degreasing Operations - Non-Halogenated Cold Degreasers (DEGS-GRP1)**

The degreasing operations associated with this section of the permit consist of the following emission units: DEGS-CB205-001, DEGS-CB315-001, DEGS-3817-018, DEGS-3511-021, DEGS-3514-024, DEGS-3859-025, DEGS-3165-031, DEGS-3810-032, DEGS-3615-044, DEGS-3615-045, DEGS-CB125-046, DEGS-2632-001, DEGS-2632-002, DEGS-2632-003, DEGS-2632-004, DEGS-2632-005, DEGS-108-001, and DEGS-117-001.

### **A. Limitations**

1. Vapor control is required for each cold cleaner (Ref. No. DEGS-GRP1) to remove, destroy, or prevent the discharge into the atmosphere of at least 85% by weight of volatile organic compound emissions. Achievement of the 85% vapor control shall be done by the following:
  - a. Covers or enclosed remote reservoirs;
  - b. Drainage facilities to collect and return solvent to a closed container or a solvent cleaning machine;
  - c. A permanent label, summarizing the operating procedures in 9 VAC 5-40-3290 C.2.a-c on/near the cold cleaning unit(s);
  - d. If used, the solvent spray should be a solid, fluid stream (not a fine, atomized or shower type spray) and at a pressure which does not cause excessive splashing.  
(9 VAC 5-80-110, 9 VAC 5-40-3280 C.1 & 2, and 9 VAC 5-40-3290.C.1.a-d)
2. The following operating procedures for the cold cleaning units (Ref. No. DEGS-GRP1) shall be followed:
  - a. Waste solvent should not be disposed of or transferred to another party, such that greater than 20% of the waste (by weight) can evaporate to the atmosphere. Waste solvent shall be stored in closed containers only.
  - b. The cold cleaning unit cover should be closed whenever not handling parts in the cold cleaner.
  - c. Cleaned parts should drain for at least 15 seconds or until dripping ceases.  
(9 VAC 5-80-110, 9 VAC 5-40-3280 C.1 & 2, and 9 VAC 5-40-3290.C.2.a-c)
3. Disposal of waste solvent from the cold cleaning units (Ref. No. DEGS-GRP1) shall be done by one of the following:
  - a. Reclamation (either by outside services or in-house), or
  - b. Incineration.  
(9 VAC 5-80-110, 9 VAC 5-40-3280 C.1 & 2, and 9 VAC 5-40-3290.D)

**B. Monitoring**

1. Each degreasing unit of DEGS-GRP1 will be inspected once per calendar year to ensure that the label with the operating procedures is placed on or near each degreasing unit.
2. Each degreasing unit of DEGS-GRP1 will be inspected once per calendar year to ensure that each has a cover or enclosed remote reservoir, and waste solvent from each unit is stored in closed containers.

(9 VAC 5-80-110 E)

**C. Recordkeeping**

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

1. Annual inspection results and any corrective actions taken;
2. Method(s) of waste solvent disposal.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110)

### **XIII. Facility-Wide Conditions**

#### **A. Testing**

1. **Testing/Monitoring Ports** - The permitted facility shall be constructed so as to allow for emission testing and monitoring upon reasonable notice at any time, using appropriate methods. This includes constructing the facility such that volumetric flow rates and pollutant emission rate can be accurately determined by applicable test methods and providing stack or duct that is free from cyclonic flow. Test ports shall be provided when requested at the appropriate locations or in accordance with the applicable performance specification (reference 40 CFR Part 60, Appendix B).  
(9 VAC 5-80-110 and Condition 3 of 8/2/10 Permit)
2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.  
(9 VAC 5-80-110)

#### XIV. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720B)	Rated Capacity (9 VAC 5-80-720 C)	Building/ Location
<b>Boilers</b>					
<b>Group II Boiler (BOIL-GRP2)</b>					
BOIL-3511-007	Distillate oil-fired boiler. Installed after 1972.	9 VAC 5-80-720 C		0.3548 MMBTU/hr	Bldg 3511
<b>Group III Boilers/Furnaces (BOIL-GRP3)</b>					
BOIL-1602-009, BOIL-1602-010, BOIL-3445-011, BOIL-3445-012, BOIL-3049A-013, BOIL-3049A-014, BOIL-3056-021, BOIL-3129-022, BOIL-3147-023 BOIL-3363-024, BOIL-3364-025, BOIL-3408-026, BOIL-3430-027, BOIL-3445-028, BOIL-3505-029, BOIL-3690-030, BOIL-3854-031, FURN-4190-001, FURN-CB125-002, FURN-CB125-003, FURN-CB125-004, & FURN-CB125-005	Natural gas-fired boilers/furnaces. Installed after 1972.	9 VAC 5-80-720 C		Each < 10 MMBtu/hr	Various
<b>Group IV Boilers</b>					
OCOM-CB301-025 & OCOM-CB301-026	Used oil-fired boilers. Installed after 1972.	9 VAC 5-80-720 C, per DEQ agreement		Each 0.185 MMBTU/hr	Bldg CB-301
<b>Small fuel pumping operations</b>					
<b>Small Gasoline Pumping Operations (GSTA-GRP1)</b>					
GSTA-QUAY-001,	Pump gasoline	9 VAC 5-80-720 B	VOC/HAPS		Various

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720B)	Rated Capacity (9 VAC 5-80-720 C)	Building/ Location
GSTA-3699-014, GSTA-3110-015, GSTA-3022-016, GSTA-U87-017, & GSTA-1522-018	from small storage tanks into water craft, various off-road vehicles, or other containers				
<b>Small Diesel Pumping Operations (GSTA-GRP3)</b>					
GSTA-1619-004, GSTA-3860-007, GSTA-QUAY-010, GSTA-3110-011, GSTA-U87-013, & GSTA-1522-019	Pump diesel oil into water craft, various off-road vehicles, or other	9 VAC 5-80-720 B	VOC/HAPS		Various
<b>Small Gasoline/Oil Premix Pumping Operations (GSTA-GRP4)</b>					
GSTA-1620-009	Small gasoline/oil premix pumping operations	9 VAC 5-80-720 B	VOC/HAPS		Bldg 1620
<b>Distillate Oil and JP-5 Operations</b>					
PETO-3861-001B	Distillate oil loading rack	9 VAC 5-80-720 B	VOC/HAPS		Bldg 3861
PETO-3826A-002	JP-5 loading rack (off load truck)	9 VAC 5-80-720 B	VOC/HAPS		Bldg 3826A
GSTA-3843-012	LCAC JP-5 service station	9 VAC 5-80-720 B	VOC/HAPS		Bldg 3843
GSTA-3844-012	LCAC JP-5 service station	9 VAC 5-80-720 B	VOC/HAPS		Bldg 3844
GSTA-PIER 19-002	Pier 19 distillate oil pumping station	9 VAC 5-80-720 B	VOC/HAPS		Pier 19
<b>Storage Tanks</b>					
<b>FF Tanks</b>					
TNKA-3863-001, TNKA-3864-001, TNKA-3837-001, & TNKA-3839-001	Fuel Farm distillate oil tanks	9 VAC 5-80-720 B	VOC/HAPS		Fuel Farm

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720B)	Rated Capacity (9 VAC 5-80-720 C)	Building/ Location
<b>Group II Tanks (TG-II)</b>					
TNKA-3870-002, TNKA-3872-002, TNKA-1166-001, TNKA-1265-006, TNKA-1265-008, TNKA-1518-003, TNKA-1555-001, TNKA-1609-001, TNKA-2000-001, TNKA-2083-001, TNKA-3006-001, TNKA-3445-001, TNKA-3505-002, TNKA-3550-001, TNKA-3892-003, TNKA-3823-003, TNKA-1126-001, TNKA-1265-007, TNKA-1501-002, TNKA-1518-002, TNKA-2115-002, TNKA-3015-001, TNKA-3150-001, TNKA-3165-003, TNKA-3400-002, TNKA-3505-001, TNKA-3823-002, TNKA-3848-002, TNKU-3856-001, TNKU-3879-002, TNKU-5000-001, & TNKU-1516-003	Small diesel storage tanks	9 VAC 5-80-720 B	VOC/HAPS		Various
<b>Group III Tank (TG-III)</b>					
TNKA-NAB775-001	Small diesel storage tank (emergency generator supply)	9 VAC 5-80-720 B	VOC/HAPS		NAB-773

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720B)	Rated Capacity (9 VAC 5-80-720 C)	Building/ Location
<b>Group IV Tank (TG-IV)</b>					
TNKU-044	Gasoline storage tank	9 VAC 5-80-720 B	VOC/HAPS		Cove Marina
<b>Group V Tanks (TG-V)</b>					
TNKA-1515-020, TNKA-3699-043, & TNKA-3022-003	Small gasoline storage tanks	9 VAC 5-80-720 B	VOC/HAPS		Various
<b>Group VI Tanks (TG-VI)</b>					
TNKA-3825-001, TNKA-3845-001, & TNKA-3846-001	JP-5 above ground storage tanks	9 VAC 5-80-720 B	VOC/HAPS		Various
<b>Group VII Tanks (TG-VII)</b>					
TNKU-1558-001, TNKU-1558-002, TNKU-1558-003, & TNKU-1558-007	Kerosene/Isopar /Norpar storage tanks	9 VAC 5-80-720 B	VOC/HAPS		Bldg 1558
<b>Group VIII Tanks (TG-VIII)</b>					
TNKA-3860-023, TNKA-3868-035, TNKA-3530-037, TNKA-3661-041, TNKA-3872-067, TNKA-1558-068, TNKA-3821-082, TNKA-3869-084, TNKA-3859-095, & TNKA-CB301-003	Small used oil storage tanks. All installed after 1984.	9 VAC 5-80-720 B	VOC/HAPS		Various
<b>Group IX Tank (TG-IX)</b>					
TNKA-NAB778-001	Distillate oil storage tank. Installed 08/20/2004 to 12/15/2005.	9 VAC 5-80-720 B	VOC/HAPS		Bldg 777
<b>Woodworking Operations</b>					
WOOD-108-001	Woodworking Shop	9 VAC 5-80-720 B	PM/PM-10		Bldg 108
WOOD-1265-002	Woodworking Shop	9 VAC 5-80-720 B	PM/PM-10		Bldg 1265
WOOD-3334-009	Woodworking Shop	9 VAC 5-80-720 B	PM/PM-10		Bldg 3334

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720B)	Rated Capacity (9 VAC 5-80-720 C)	Building/ Location
WOOD-1125-012	Woodworking Shop	9 VAC 5-80-720 B	PM/PM-10		Bldg 1125
<b>Chemical Cleaning Operations</b>					
CHMC-3826-006 & CHMC-3826-007	Chemical Cleaning Booths	9 VAC 5-80-720 B	VOC		Bldg 3826
<b>Fiberglass Repair Operations</b>					
FIBE-1610-003	Fiberglass Repair	9 VAC 5-80-720 B	VOC		Bldg 1610

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

## **XV. Permit Shield & Inapplicable Requirements**

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
40 CFR, Part 63, Subpart JJ	National Emission Standards for Wood Furniture Manufacturing Operations. All sections except §63.801.	NAB Little Creek meets the definition of "incidental wood furniture manufacturer" in 40 CFR 63.801 (a major source that is primarily engaged in the manufacture of products other than wood furniture or wood furniture components and that uses no more than 100 gallons per month of finishing material or adhesives in the manufacture of wood furniture or wood furniture components). The facility is exempt from the requirements of this subpart with the exception of the requirement to maintain records of the purchase/usage of finishing material and adhesives to demonstrate qualification as an incidental wood furniture manufacturer.
40 CFR, Part 63, Subpart IIII	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Automobiles and Light-Duty Trucks	NAB Little Creek does not conduct surface coating of new automobile or light-duty truck bodies or body parts. All surface coating of vehicles consists of refinishing operations.
40 CFR, Part 63, Subpart MMMM	National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products	This subpart does not apply to the surface coating of metal parts and products performed on-site at installations owned or operated by the Armed Forces of the United States.
40 CFR, Part 63, Subpart NNNN	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Large Appliances	NAB Little Creek does not coat any "Large Appliances" as defined by this regulation.
40 CFR, Part 63, Subpart P PPPP	National Emission Standards for Hazardous Air Pollutants for Engine Test Cells/Stands	NAB Little Creek does not operate any engine test cells/stands. All engines are used to power generators or pumps.
40 CFR, Part 63, Subpart RRRR	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Furniture	NAB Little Creek does not operate any metal furniture coating lines.

Citation	Title of Citation	Description of Applicability
40 CFR, Part 63, Subpart CCCCCC	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities	NAB Little Creek is not an area source of HAPs.
40 CFR, Part 61, Subpart M	National Emission Standards for Asbestos. All sections except for 40 CFR §61.145, §61.146, §61.150, §61.152 and §61.153	NAB Little Creek does not process or manufacture asbestos containing products and is only subject to the regulations associated with removal and disposal of asbestos containing material.
40 CFR, Part 60, Subpart EE	NSPS for Surface Coating of Metal Furniture	NAB Little Creek does not operate any metal furniture coating lines.
40 CFR, Part 60, Subpart Kb	NSPS for VOC Liquid Storage Tanks	NAB Little Creek storage tanks contain liquids below the listed exempt vapor pressure.
40 CFR, Part 60, Subpart MM	NSPS for Automobile and Light-Duty Truck Coating Operations	NAB Little Creek is not an automobile and light-duty truck assembly plant.
40 CFR, Part 60, Subpart SS	NSPS for Industrial Surface Coating Large Appliances and Products	NAB Little Creek does not coat any “Large Appliance Parts” or “Large Appliance Products” as defined by the regulation.
9 VAC 5, Chapter 40 Article 25	VOC Standards That Apply to Storage or Transfer of Volatile Organic Liquids Other Than Petroleum Liquids	These requirements do not apply to fixed roof tanks with a storage capacity less than 40,000 gallons containing volatile organic liquids other than petroleum liquids.
9 VAC 5, Chapter 40, Article 26	VOC Emission Standards For “Existing” Large Appliance Coating Application Systems	NAB Little Creek does not coat any “Large Appliance Parts” or “Large Appliance Products” as defined by the regulation.
9 VAC 5, Chapter 40, Article 28	VOC Emission Standards For Automobile And Light Duty Truck Coating Application Systems	NAB Little Creek coating operations are not an integral part of a production process and consist of vehicle refinishing operations. This allows the units to be exempt from this regulation pursuant to 9 VAC 5-40-3860 C 1.
9 VAC 5, Chapter 40, Article 34	VOC Standards For Coating Operations of Miscellaneous Metal Parts and Products.	Manufacturing and coating operations of miscellaneous metal parts are not an integral part of any coating process. NAB Little Creek operations consist of vehicle refinishing, vehicle customized coating operations, and/or coating of fully assembled aircraft and marine vessels. This allows the units to be exempt from this regulation pursuant to 9 VAC 5-40-4760 D.

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.  
(9 VAC 5-80-140)

## **XVI. General Conditions**

### **A. Federal Enforceability**

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.  
(9 VAC 5-80-110 N)

### **B. Permit Expiration**

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.
2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.
3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.
4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.
5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.  
(9 VAC 5-80-80 B, C and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

### C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:
  - a. The date, place as defined in the permit, and time of sampling or measurements.
  - b. The date(s) analyses were performed.
  - c. The company or entity that performed the analyses.
  - d. The analytical techniques or methods used.
  - e. The results of such analyses.
  - f. The operating conditions existing at the time of sampling or measurement.  
(9 VAC 5-80-110 F)
2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.  
(9 VAC 5-80-110 F)
3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:
  - a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.
  - b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:
    - (1) Exceedance of emissions limitations or operational restrictions;
    - (2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,
    - (3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.
  - c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."  
(9 VAC 5-80-110 F)

#### **D. Annual Compliance Certification**

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five (5) years after submittal of the certification. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.
2. The identification of each term or condition of the permit that is the basis of the certification.
3. The compliance status.
4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.
6. Such other facts as the permit may require to determine the compliance status of the source.
7. One copy of the annual compliance certification shall be submitted to EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

[R3\\_APD\\_Permits@epa.gov](mailto:R3_APD_Permits@epa.gov)

(9 VAC 5-80-110 K.5)

#### **E. Permit Deviation Reporting**

The permittee shall notify the Director, Tidewater Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition XVI.C.3 of this permit.

(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

#### **F. Failure/Malfunction Reporting**

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Tidewater Regional Office by facsimile transmission, telephone or telegraph of such failure or

malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Tidewater Regional Office.  
(9 VAC 5-20-180 C)

**G. Severability**

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.  
(9 VAC 5-80-110 G.1)

**H. Duty to Comply**

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.  
(9 VAC 5-80-110 G.2)

**I. Need to Halt or Reduce Activity not a Defense**

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.  
(9 VAC 5-80-110 G.3)

**J. Permit Modification**

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1790, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.  
(9 VAC 5-80-190 and 9 VAC 5-80-260)

**K. Property Rights**

The permit does not convey any property rights of any sort, or any exclusive privilege.  
(9 VAC 5-80-110 G.5)

**L. Duty to Submit Information**

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.  
(9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G. (9 VAC 5-80-110 K.1)

**M. Duty to Pay Permit Fees**

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department. (9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

**N. Fugitive Dust Emission Standards**

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;
2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;
3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;
4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,
5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 and 9 VAC 5-50-90)

**O. Startup, Shutdown, and Malfunction**

At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9 VAC 5-50-20 E and 9 VAC 5-40-20 E)

**P. Alternative Operating Scenarios**

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.

(9 VAC 5-80-110 J)

**Q. Inspection and Entry Requirements**

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

**R. Reopening For Cause**

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

**S. Permit Availability**

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.

(9 VAC 5-80-150 E)

**T. Transfer of Permits**

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.  
(9 VAC 5-80-160)
2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.  
(9 VAC 5-80-160)
3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.  
(9 VAC 5-80-160)

**U. Malfunction as an Affirmative Defense**

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.
2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:
  - a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.
  - b. The permitted facility was at the time being properly operated.
  - c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.
  - d. The permittee notified the Board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.
4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.  
(9 VAC 5-80-250)

**V. Permit Revocation or Termination for Cause**

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.  
(9 VAC 5-80-190 C and 9 VAC 5-80-260)

**W. Duty to Supplement or Correct Application**

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.  
(9 VAC 5-80-80 E)

**X. Stratospheric Ozone Protection**

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.  
(40 CFR Part 82, Subparts A-F)

**Y. Asbestos Requirements**

The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).  
(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)

**Z. Accidental Release Prevention**

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.  
(40 CFR Part 68)

**AA. Changes to Permits for Emissions Trading**

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

(9 VAC 5-80-110 I)

**BB. Emissions Trading**

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.
2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

## **XVII.State-Only Enforceable Requirements**

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

1. 9 VAC 5 Chapter 40, Part I, Article 2: Emission Standards for Odor
2. 9 VAC 5 Chapter 50, Part II, Article 2: Standards of Performance for Odorous Emissions
3. 9 VAC 5, Chapter 60, Part II, Article 4: Emission Standards for Toxic Pollutants from Existing Sources
4. 9 VAC 5, Chapter 60, Part II, Article 5: Emission Standards for Toxic Pollutants from New and Modified Sources  
(9 VAC 5-80-110 N)